# CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 74657

# DRAFT FINAL PRINTED LABELING

TARIFTS

Terazosin hydrochloride an alpha-1-selective adrenoceptor blocking agent, is a quina-zoline derivative represented by the following chemical name and structural formula: (RS)-Piperazine\_1-(4-amino-6,7-dimethoxy-2-quinazolinyl)4-[(letra-hydro-2-turanyl)carbonyl]-, monohydrochloride.

teracosin ingolocingles is awing, line crystaline power, recey solution in water and isotonic saline and has a molecular weight of 423.89. Terazosin hydrochloride tablets for oral ingestion are supplied in four strengths containing terazosin hydrochloride equivalent to 1 mg, 2 mg, 5 mg, or 10 mg of terazosin. inactive logredients:

1 mg tablet: lactose monohydrate, magnesium stearate, microcrystalline cellulose and pregelatinized starch.

and pregratifized starts.

2 mg tablet: from oxide, lactose monohydrate, magnesium stearate, microcrystalline cellulose and pregelatinized starch.

5 mg tablet: D&C Red No. 27 aluminum lake, lactose monohydrate, magnesium stearate, microcrystalline cellulose and pregelatinized starch.

10 mg tablet: iron oxide, lactose monohydrate, magnesium stearate, microcrys-talline cellulose and pregelatinized starch. CLINICAL PHARMACOLOGY

## Pharmacadynamics: A. Benign Prostatic Hyperplasia (BPH)

The symptoms associated with BPH are related to bladder outlet obstruction which is comprised of two underlying components: a stalic component and a dynamic component. The static component is a consequence of an increase in prostate size. Over time, the prostate will continue to enlarge. However, clinical studies have demonstrated that the size of the prostate does not correlate with the severity of BPH symptoms or the degree of urinary obstruction. The dynamic component is a function of an increase in smooth muscle tone in the prostate and bladder neck, leading to constriction of the bladder outlet. Smooth muscle tone is mediated by sympathetic nervous stimulation of alpha-1 adrenoceptors, which are abundant in the prostate, prostatic capsule and bladder neck. The reduction in symptoms and improvement in urine flow rates following administration of terazosin is related to relaxation of smooth muscle produced by blockade of alpha-1 adrenoceptors in the bladder neck and prostate. Because there are relatively few alpha-1 adrenoceptors in the bladder neck and prostate. Because there are relatively few alpha-1 adrenoceptors in the bladder obody, terazosin is able to reduce the bladder outlet obstruction without affecting bladder contractibity. The symptoms associated with BPH are related to bladder outlet obstruction which

out affecting bladder contractility.

Terazosin has been extensively studied in 1222 men with the symptomatic BPH. In three placebo-controlled studies, symptom evaluation and uroflowmetric measurements were performed approximately 24 hours following dosing. Symptoms were systematically quantified using the Boyarsky Index. The questionnaire evaluated both obstructive (hesitancy, intermittency, terminal dribbling, impairment of size and force of stream, sensation of incomplete bladder emptying) and irritative (nocturia, daytime frequency, urgency, dysuria) symptoms by rating each of the 9 symptoms from 0-3, for a total score of 27 points. Results from these studies indicated that terazosin statistically significantly improved symptoms and peak urine flow rates over placebo as follows:

uver placebo	45 101			ı			
			om Score	Peak Flow Rate			
		(Ran	ge 0-27)	1	(mL/sec)		
		Mean	Mena	1	Mean	Mean	
		Bassilne	Change (%)		Baseline	Change (%)	
Study 1 (18 #	19)2						
Titration to 5	ized (	iosa (12 wk	5)	1			
Placebo	55	9.7	-2.3 (24)	54	10.1	+1.0 (10)	
Terazosia	54	10.1	4.5 <u>(45)*</u>	52	8.8	+3.0 (34)*	
Study 2 (2, 5	, 19,	20 mg)k		F-			
Titration to	espei	se (24 wks)		ł			
Placebo	89	12.5	-3.8 (30)	88	8.8	+1.4 (16)	
Terazosia		12.2	-5.3 (43)*	84	8.4	+2.9 (35)*	
Study 3 (1, 2	, 5, 1	6 mg)c		Ţ			
Titration to	espos	ise (24 wks)		1			
Placebe	74	10.4	-1.1 (11)	74	8.8	+1.2 (14)	
Terazosin	73	10.9	-4.6 (42)°	73_	8.6	+2.6 (30)*	

- a Highest dose 10 mg shown
- a rignest cuse 10 mg snown. b 23% of patients on 10 mg, 41% of patients on 20 mg, c 67% of patients on 10 mg. Significantly  $\{p \leq 0.05\}$  more improvement than placebo.

Significantly (p ≤ 0.05) more improvement than placebo.

I three studies, both symptom scores and peak urine flow rates showed statistically significant improvement from basein patients treated with terazosin from week 2 (or the first clinic visit) and throughout the study duration.

risis of the effect of terazosin on individual urinary symptoms demonstrated that compared to placebo, terazosin signifty improved the symptoms of hesitancy, intermittency, impariment in size and force of urinary stream, sensation of
nplete emptying, terminal dribbling, day time frequency and nocturia.

at assessments of overall urinary function and symptoms were also performed by investigators who were blinded to
nt treatment assignment. In studies 1 and 3, patients treated with terazosin had a significantly (p ≤ 0.001) greater
all improvement compared to placebo treated patients.

Short term study (Study 1) natients were randomized to either 2.5 or 10 mg of terazosin or placebo. Patients randomi-

manuporement compared to prace or treated partents.
short term study (Study 1), patients were randomized to either 2, 5 or 10 mg of terazosin or placebo. Patients randomize to the 10 mg group achieved a statistically significant response in both symptoms and peak flow rate compared to be (Figure 1).

Mean increase in Peak Flowr
Mean Change in Total Symptom

Figure 1

Mean fortinact home front fanct front front

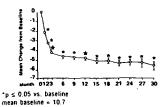
+ nor baseline values see above table

10 5 0.05, compared to placebo group

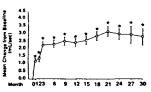
Iong-term, open-label, non-placebo controlled clinical trial, 181 men were followed for 2 years and 58 of these men

followed for 30 months. The effect of terazosin on urinary symptom scores and peak flow rates was maintained
ghout the study duration (Figures 2 and 3): for baseline values see above table

### Hean Change in Total Symptom Score from Baseline Long-Term, Open-Label, Non-Placebe Controlled Study



Charge in Peak flow Rate from Baselin Lung-Term, Open-Label, Non-Placebe Controlled Study



in < 0.05 vs. baseline

In this long-term trial, both symptom scores and peak urinary flow rates showed statistically significant improvement suggesting a relaxation of smooth muscle cells.

Although blockade of alpha-1 adrenoceptors also lowers blood pressure in hypertensive patients with increased peripheral vascular resistance, terazosin treatment of normotensive men with BPH did not result in clinically significant blood pres-

Mean Changes in Blood Pressure from Baseline to Final Visit in all Double-Blind, Placeho-Controlled Studies

		Patio DBP < 90		Patio DBP ≥ 90		
			Mean		Mons	
	Sroup	N	Change	N	Change	
SBP	Placebo	293	-0.1	45	-5.8	
(mm Hg)	Terazosia	519	-3.3*	65	-14,4*	
DBP	Placebe	293	+0.4	45	-7.1	
(mm Hg) *n < 0.05 vs. placebo	Terezosin	519	-2.2°	65	-15.1*	

B. Hypertension
In animals, terazosin causes a decrease in blood pressure by decreasing total peripheral vascular resistance. The vasodilatory hypotensive action of terazosin appears to be produced mainly by blockade of alpha-1 adrenoceptors. Terazosin decreases blood pressure gradually within 15 minutes following oral administration.
Patients in clinical trials of terazosin were administered once daily (the great majority) and twice daily regimens with total doses usually in the range of 5 to 20 mg/day, and had mild (about 17%, diastolic pressure 95 to 105 mmHg) or moderate (23%, diastolic pressure 105 to 115 mmHg) hypertension. Because terazosin, like all alpha antagonists, can cause unususually targe tails in blood pressure after the first dose or first few doses, the initial dose was 1 mg virtually all trials, with subsequent litration to a specified fixed dose or litration to some specified blood pressure end point (usually a supine diastolic pressure responses were measured at the end of the dosing interval causely causely.

stolic pressure of 90 mmHg). Blood pressure responses were measured at the end of the dosing interval (usually 24 hours) and effects were shown to persist throughout the interval, with the usual supine responses 5 to 10 mmHg systolic and 3.5 to 8 mmHg diastolic greater than placebo. The responses in the standing position tended to be somewhat larger, by 1 to 3 mmHg, although this was not true in all studies. The magnitude of the blood pressure responses was similar to prazosin acts than hydrochhorothiazide (in a single study of hypertensive patients). In measurements 24 hours after dosing, heart rate was unchanged.

iazioe (in a single study of hyperlensive patients). In measurements z4 nours arrer oosing, heart rate was unchanged. Limited measurements of peak response (2 to 3 hours after dosing) during chronic terazosin administration indicate that it is greater than about twice the trough (24hour) response, suggesting some attenuation of response at 24 hours, presumably due to a fall in blood terazosin concentrations at the end of the dose interval. This explanation is not established with certainty, however, and is not consistent with the similarity of blood pressure response to once daily and twice daily dosing and with the absence of an observed dose-response relationship over a range of 5 to 20 mg. i.e., if blood concentrations had fallen to the point of providing less than full effect at 24 hours, a shorter dosing interval or larger dose should have led to increased response.

Further dose response and dose duration studies are being carried out. Blood pressure should be measured at the end of the dose interval; if response is not satisfactory, patients may be tried on a larger dose or twice daily dosing regimen. The latter should also be considered if possibly blood pressure related side effects, such as dizziness, palpitations, or orthostalic complaints, are seen within a few hours after dosing.

static complaints, are seen within a few hours after dosing.

The greater blood pressure effect agsociated with peak plasma concentrations (first few hours after dosing) appears somewhall more position-dependent (greater in the erect position) than the effect of terazosin at 24 hours and in the erect position there is also a 6 to 10 beat per minute increase in heart rate in the first few hours after dosing. During the first 3 hours after dosing 12.5% of patients had a systolic pressure fall of 30 mmHg or more front supine to standing, or standing systolic pressure below 90 mmHg, with a fall of at least 20 mmHg, compared to 4% of a placebo group. First and a standing systolic pressure below 90 mmHg, with a fall of at least 20 mmHg, compared to 4% of a placebo group. There was a tendency for patients to gain weight during terazosin therapy. In placebo-controlled monotherapy trials, male and female patients receiving terazosin gained a mean of 1.7 and 2.2 pounds respectively in the placebo group. Both differences were statistically significant.

During controlled clinical trials, patients receiving terazosin monotherapy had a small but statistically significant changes were observed in high-density lipoprotein fractions and frigiverides compared to placebo. Analysis of clinical laboratory data following administration of terazosin suggested the possibility of hemodilution based on decreases in hematocrit, hemoglobic, white blood cells, total protein and albumin. Decreases in hematocrit, hemoglobic, white blood cells, total protein and albumin. Decreases in hematocrit, hemoglobic, white blood cells, total protein and albumin.

#### Pharmacokinetics:

Pharmacokinetics:
Relative to solution, terazosin administered as terazosin tablets is essentially completely absorbed in man. Food had little or no effect on the extent of absorption but food delayed the time to peak concentration by about 1 hour. Terazosin has been shown to undergo minimal hepatic first-pass metabolism and nearly all the circulating dose is in the form of parent drug. The plasma levels peak about one hour after dosing, and then decline with a half-life of approximately 12 hours. In a study that evaluated the effect of age on terazosin pharmacokinetics, the mean plasma half-lives were 14.0 and 51.4 hours for the age group 2 70 years and the age group 2 0 to 39 years, respectively. After oral administration the plasma clear-rance was decreased by 31.7% in patients 70 years of age or older compared to that in patients 20 to 39 years of age.

The drug is highly bound to plasma proteins and binding is constant over the clinically observed concentration range. Approximately 10% of an orally administered dose is excreted as parent drug in the urine and approximately 20% is excreted in the terces. The remainder is eliminated as metabolites. Impaired renal function had no significant effect on the eliminately 10% does not appear to be necessary. Overall, approximately 40% of the administered dose is excreted in the urine and approximately 50% in the feces. The disposition of the compound in animals is qualitatively similar to that in man.

#### INDICATIONS AND USAGE

Terazosin Aprice lablets are indicated for the treatment of symptomatic benign prostatic hyperplasia (BPH). There is a rapid response, with approximately 70% of patients experiencing an increase in urinary flow and improvement in symptoms of BPH when treated with terazosin. The long-term effects of terazosin on the incidence of surgery, acute urinary obstruction or other complications of BPH are yet to be determined.

Terazosin hydrochloride tablets are indicated for the treatment of hypertension. They can be used alone or in combination ith other antihypertensive agents such as diuretics or beta-adrenergic blocking agents

#### CONTRAINDICATIONS

Terazosin is contraindicated in patients known to be hypersensitive to terazosin hydrochloride

Syncope and "First-dese" Effect:

Syncope and "First-dese" Effect:
Tranzesin, like other alpha-adrenergic blocking agents, can cause marked lowering of blood pressure, especially postural
hypotension, and syncope he association with the first dose or first few days of thorapy. A similar offect can be auticipated if therapy is interrupted for several days and then restorted. Syncope has also been reported with other alphaadrenergic blocking agents he association with rapid desage increases or the introduction of another antihyportensive
drug. Syncope is helieved to be due to an excessive postural hypotensive effect, although occasionally the syncops
applied has been preceded by a bout of source supersupersarticular trachycardia with heart rate 12% to 15% beauts per
minute. Additionally, the possibility of the contribution of hemodilution to the symptoms of postural hypotension should
he considered.

apliced has been preceded by a beet of seepre supraventricular tachycardia with heart rates of 128 to 164 beats per minate. Additionally, the possibility of the contribution of hemodification to the symptoms of postural hypotension should be canadered.

To decrease the likelihood of syncope or excassive hypotension, treatment should always be initiated with a 1 mg does of textozella, given at heddine. The 2 mg, 5 mg and 19 mg tablets are not indicated as initial therapy. Desage should then be increased slewly, according to recommendations in the Desage and Administration section and additional activity returning agents should be added with cautien. The patient should be cautioned to avoid situations, such as driving or hazardess tasks, where injury could result should syncope occur during initiation of therapy. In early investigational studies, where increasing simple doses up to 7.5 mg were given at 3 day interests, tolerance to the first dose phenomenon did not necessarily develop and the "first-dose" effect could be observed at all doses. Syncopal episodes occurred in 3 of the 14 subjects given terazons inablets at doses of 2.5, 5 and 7.5 mg, which are higher than the recommended initial dose; in addition, severe orthostatic hypotension (blood pressure falling to 50/0 mmHg) was seen in two others and dizziness, tachycardia, and lightheadedness occurred in most subjects. These adverse effects all occurred within 90 minutes of dosing.

In three placebo-controlled BPH studies 1, 2, and 3 (see CLINICAL PHARMACOLOGY), the incidence of postural hypotension in the terazosin retailed patients was 5.1%, 5.2%, and 3.7% respectively.

In multiple dose clinical trials involving nearly 2000 hypertensive patients treated with terazosin, syncope was not necessarily associated only with the first dose.

If syncope accurs, the patient should be placed in a recumbent pastiles and treated supportively as necessary. There is evidence that the orthostatic effect of terazeale is greater, even in chreak ase, shortly after dosing.

General:
Prestatic Cascer
Carcinoma of the prostate and BPH cause many of the same symptoms. These two diseases frequently co-exist. Therefore, patients thought to have BPH should be examined prior to starting terazosin therapy to rule out the presence of carcinoma of the prostate.

Brithostatic Hypotensies

the prostate. Whole syncope is the most severe orthostatic effect of Terazosin hydrochloride tablets (see Warnings), other symptoms of lowered blood pressure, such as dizziness. lightheadedness and palpitations, were more common and occurred in some 28% of patients in clinical trials of hypertension. In BPH clinical trials, 21% of the patients experienced one or more of the following, dizziness, hypotension, postural hypotensions, syncope, and vertigo. Patients with occupations in which such events represent potential problems should be treated with particular caution. Intormation for Patients (see Patient) Package Insert):
Patients should be made aware of the possibility of syncopal and orthostatic symptoms, especially at the initiation of therapy, and to avoid driving or hazardous tasks for 12 hours after the first dose, after a dosage increase and after interruption of therapy when treatment is resumed. They should be cautioned to avoid situations where injury cold result should syncope occur during initiation of terazosin therapy. They should also be advised of the need to sit or lie down when symptoms of lowered blood pressure occur, although these symptoms are not always orthostatic, and to be careful when rising from a sitting or lying position. If dizziness, lighthreadedness, or palpitations are bothersome they should be reported to the physician, so that dose adjustment can be considered.

Patients should also be told that drowshiess or somnolence can occur with terazosin, requiring caution in people who must drive or operate heavy machinery.

Patients should be advised about the possibility of priapism as a result of treatment with terazosin hydrochloride and other similar medications. Patients should know that this reaction to terazosin hydrochloride is extremely rare, but that if it is not brought to immediate medical attention, it can lead to permanent erectile dysfunction (impotence).

Patients should also be told that drowsiness or somnolence can occur with terazosin, requiring caution in people who must drive or operate heavy machinery. Patients should be advised about the possibility of priapism as a result of treatment with terazosin hydrochloride is extremely rare, but that if it is not brought to immediate medical attention, it can lead to permanent erectile dysfunction (impotence). Laboratory Fests:
Small but statistically significant decreases in hematocriti, hemoglobin, white blood cells, total protein and albumin were observed in controlled clinical trials. These laboratory findings suggested the possibility of hemodifution. Treatment with terazosin for up to 24 months had no significant effect on prostate specific antique (PSA) Tyels.

Drug Interactions:

In controlled trials, terazosin has been added to diuretics, and several beta-adrenergic blockers; no unexpected interactions were observed. Terazosin has also been used in patients on a variety of concomitant therapies; while these were not formal interactions studies, no interactions were observed. Terazosin has been used concomitantly in at least 50 patients on the following drugs or drug classes: 1) analgesicant-inflammatory (e.g., actelaminophen, aspirin, codeine, ibuproten, indomethacrit); 2) antibiotics (e.g., erphyrhomycin, trimethoprim and sulfamethoxazole); 3) anticholinergic/sympathominetics (e.g., phenylephrine hydrochloride, phenyleponalomine hydrochloride, percentions in the phydrochloride, phenyleponalomine, in the phydrochloride, percentions in the phydrochloride, percentions in the phydrochloride, and the phydrochloride, percentions in the phydrochloride, and the phydrochloride, and the phy

<sup>o</sup>regnancy

Prepanary:

Personary:

Person

with 120 mg/kp/day (c/5) times the maximum recommended numan dose) than in the control group during the infere-week instpartum period. 
\*\*Ursing Mothers:\*\*
Is not known whether terazosin is excreted in breast milk. Because many drugs are excreted in breast milk, caution should the exercised when terazosin is administered to a nursing woman.

\*\*Pediatric Use:\*\*
Lately and effectiveness in pediatric patients have not been determined.

\*\*JOVENESE REACTIONS\*\*
Inelige Prostatic Hyperplasia
The incidence of treatment-emergent adverse events has been ascertained from clinical trials conducted worldwide. All diverse events reported during these trials were recorded as adverse reactions. The incidence rates presented below are ased on combined data from six placebo-controlled trials involving once-a-day administration of terazosin at doses ranging from 1 to 20 mg. Table 1 summarizes those adverse events reported for patients in these trials when the incidence rate rerazosin group was at least 1% and was greater than that for the placebo group, or where the reaction is of clinical iterast. Asthenia, postural hypotension, dizzhess, somnolence, nasal congestion/rhimilis, and impotence were the only exist that were significantly (p 5 0.05) more common in patients receiving terazosin than in patients receiving placebo. An analysis of the incidence rate of hypotensive adverse events (see PRECAUTION) adjusted for the length of drug treatment has shown that the risk of the events is greatest during the initial seven days of treatment, but continess at all three intervals.

TABLE 1
ADVERSE REACTIONS DURING PLACEBO-CONTROLLED TRIALS

BENIGH PROSTATIC HYPERPLASIA			
Body System	Terazesia (N= 636)	Piacehe (N= 360)	
ODY AS A WHOLE	122 430)	(42 000)	
tAsthenia	7 4%*	3.3%	
Flu Syndrome	2.4%	1.7%	
Headache	4.9%	5.8%	
ARDIOVASCULAR SYSTEM			
Hypotension	0.6%	0.6%	
Palpitations	0.9%	1,1%	
Postural Hypotension	3.9%	0.8%	
Syncope	0.6%	0.0%	
IGESTIVE SYSTEM			
Nausea	1,7%	1.1%	
ETABOLIC AND NUTRITIONAL DISORDERS	·		
Peripheral Edema	0.9%	0.3%	
Weight Gain	0.5%	0.0%	
ERVOUS SYSTEM			
Dizziness	9.1%*	4.2%	
Somnolence	3.6%*	19%	
Vertigo	1.4%	0.3%	
ESPIRATORY SYSTEM			
Dyspnea	1.7%	0.8%	
Nasal Congestion/Rhinitis	1.9%*	0.0%	
'ECIAL SENSES			
Blurred Vision/Amblyopia	1.3%	0.6%	
IDGENITAL SYSTEM			
Impotence	1.6%*	1.4%	
Urinary Tract Infection	1.3%	3.9%	
ncludes weakness, tiredness, lassifude and fatique			

weakness, tiredness, lassitude and fatigue.

 $p \le 0.05$  comparison between groups.

Iditional adverse events have been reported, but these are, in general, not distinguishable from symptoms that might have curred in the absence of exposure to terazosin. The safety profile of patients treated in the long-term open-label study is similar to that observed in the controlled studies.

is administ to that observed in the controlled studies.

e adverse events were usually transient and mild or moderated in intensity, but sometimes were serious enough to interpit reatment. In the placebo-controlled trials, the rates of premature termination due to adverse events were not statisfully different between the placebo and terazosin groups. The adverse events that were bothersome, as judged by their ing reported as reasons for discontinuation of therapy by at least 0.5% of the terazosin group and being reported more to that in the placebos are invested to the controlled trials. ten than in the placebo group, are shown in Table 2. TARLE 2

DISCONTINUATION DURING PLACEBO-CONTROLLED TRIALS

BEHIGH PROSTATIC NYPERPLASIA			
	Yerazosia	Placebe	
Body System	(N= 636)	(N= 360)	
DY AS A WHOLE			
Fever	0.5%	0.0%	
Headache	1.1%	0.8%	
RDIOVASCULAR SYSTEM			
Postural Hypotension	0.5%	0.0%	
Syncope	0.5%	0.0%	
ESTIVE SYSTEM			
Nausea	0.5%	0.3%	
RVOUS SYSTEM			
Dizziness	2.0%	1,1%	
Vertigo	0.5%	0.0%	
SPIRATORY SYSTEM			
Dyspnea	0.5%	0.3%	
ECIAL SENSES			
Blurred Vision/Amblyopia	0.6%	0.0%	
GENITAL SYSTEM			
Urinary Tract Infection	0.5%	0.3%	

#### Hypertension

The prevalence of adverse reactions has been ascertained from clinical trials conducted primarily in the United States. All The prevalence of adverse reactions has been ascertained from clinical trials conducted primarily in the United States. All adverse experiences (events) reported during these trials were recorded as adverse experiences (events) reported during these trials were recorded as adverse experiences are presented below are based on combined data from fourteen placebo-controlled trials involving once-a-day administration of teracosin, as monotherapy or in combination with other antihypertensive agents, at doses ranging from 1 to 40 mg. Table 3 summarizes those adverse experiences reported for patients in these trials where the prevalence rate in the ferazosin group was at least 5%, where the prevalence rate for the lerazosin group was at least 2% and was greater than the prevalence rate for the placebo group, or where the reaction is of particular interest. Asthenia, burited vision, discress, nasal congestion, nausea, peripheral edema, palpitations and somnolence were the only symptoms that were significantly (p < 0.05) more common in patients receiving lerazosin than in patients receiving placebo. Similar adverse reaction rates were observed in placebo-controlled monotherapy trials.

TABLE 3 ADVERSE REACTIONS DURING PLACEBO-CONTROLLED YMALS

HIPERIERS	HYPERTENSION				
	Terazosin	Placabo			
Body System	(N= 859)	(N= 506)			
BODY AS A WHOLE					
†Asthenia	11.3%*	4.3%			
Back Pain	2.4%	1.2%			
Headache	16.2%	15.8%			
CARDIOVASCULAR SYSTEM					
Palpitations	4.3%*	1.2%			
Postural Hypotension	1.3%	0.4%			
Tachycardia	1.9%	1.2%			
DIGESTIVE SYSTEM					
Nausea	4.4%*	1,4%			
METABOLIC AND NUTRITIONAL DISORDERS					
Edema	0.9%	0.6%			
Peripheral Edema	5.5%*	2.4%			
Weight Gain	- 0.5%	0.2%			
MUSCULOSKELETAL SYSTEM	· · · · · · · · · · · · · · · · · · ·				
Pain-Extremities	3.5%	3.0%			
MERVOUS SYSTEM					
Depression	0.3%	0.2%			
Dizziness	19.3%*	7.5%			
Libido Decreased	0.6%	0.2%			
Nervousness	2.3%	1.8%			
Paresthesia	2.9%	1.4%			
Somnolence	5.4%*	2.6%			
RESPIRATORY SYSTEM					
Dyspnea	3.1%	2.4%			
Nasal Congestion	5.9%	3.4%			
Sinusitis	2.6%	1.4%			
SPECIAL SERSES					
Blurred Vision	1.6%*	0.0%			
UROGENITAL SYSTEM					
Impotence	1.2%	1.4%			

fincludes weakness, tiredness, lassitude and fatique. Statistically significant at p=0.05 level.

Statistically significant at p=0.05 level.

Additional adverse reactions have been reported, but these are, in general, not distinguishable from symptoms that might have occurred in the absence of exposure to terazosin. The following additional adverse reactions were reported by at least 1% of 1987 patients who received terazosin in controlled or open, short- or long-term clinical trials or have been reported during marketing experience. Body as a Whole: chest pain, facial edema, tever, abdominal pain, neck pain, shoulder pain; Cardiovascular System arrhythmia, vasoditation; Digestive System: constipation, diarrhea, dry mouth, dyspepsia, Itatulence, vomiting; Metabolic/Nutritional Disorders: gout, Musculoskeletal System: arrhythmia, vasoditation; Digestive System: constipation, diarrhea, dry mouth, dyspepsia, Itatulence, vomiting; Metabolic/Nutritional Disorders: gout, Musculoskeletal System: arrhythgia, arthritis, joint disorder, myalgia; Nervous System: araxiety, insomnia; Respiratory System: bronchitis; cold symptoms, epistaxis, Italy symptoms, increase ough, pharyngitis, chinitis; Skin and Appendages; pruritus, rash, sweating; Special Senses; abnormal vision, conjunctivits, timitus; Urogenital System: urinary trequency, urinary incontinence primarily reported in postmenopausal women, urinary traitection.

Post-marketing experience indicates that in rare instances patients may develop allergic reactions, including anaphylaxis, following administration of terazosin hydrochloride tablets. There have been reports of priapism during post-marketing surrellance.

The adverse reactions were usually mild or moderate in intensity but sometimes were serious enough to interrupt treat-

The adverse reactions were usually mild or moderate in intensity but sometimes were serious enough to interrupt treatment. The adverse reactions that were most bothersome, as judged by their being reported as reasons for discontinuation of therapy by at least 0.5% of the terazosin group and being reported more often than in the placebo group, are shown in Table 4.

TABLE 4 DISCONTINUATIONS DURING PLACEBS-CONTROLLED TRIALS
NYPERTENSION

· · · · · · · · · · · · · · · · · · ·	Terazesin	Placebo
Body System	(#≈ 859)	(N= 506
BODY AS A WHOLE		
Asthenia	1.6%	0.0%
Headache	1.3%	1.0%
CARDIOVASCULAR SYSTEM		
Palpitations	1.4%	0.2%
Postural Hypotension	0.5%	0.0%
Syncope	0.5%	0.2%
Tachycardia	0.6%	0.0%
DIGESTIVE SYSTEM		
Nausea	0.8%	0.0%
METABOLIC AND NUTRITIONAL DISORDERS		
Peripheral Edema	0.6%	0.0%
NERVOUS SYSTEM		
Dizziness	3.1%	0.4%
Paresthesia	0.8%	0.2%
Samnolence	0.6%	0.2%
RESPIRATORY SYSTEM		
Dyspnea	0.9%	0.6%
Nasal Congestion	0.6%	0.0%
SPECIAL SENSES		
Blurred Vision	0.6%	0.0%

#### OVERDOSAGE

DVENDOSAGE

Should overdosage of terazosin lead to hypotension, support of the cardiovascular system is of first importance. Restoration of blood pressure and normalization of heart rate may be accomplished by keeping the patient in the supine position. If this measure is inadequate, shock should first be treated with volume expanders. If necessary, vasopressors should then be used and renal function should be monitored and supported as needed. Laboratory data indicate that terazosin is highly protein bound; therefore, dialysis may not be of benefit.

#### HOLFARF AND ADMINISTRATION

DUSABLE Arms summinations in the state of the several days, therapy should be rein-stituted using the initial dosing regimen.

#### Benign Prostatic Hyperplasia:

I mg at bedtime is the starting dose for all patients, and this dose should not be exceeded as an initial dose. Patients should be closely followed during initial administration in order to minimize the risk of severe hypotensive response.

Subsequent Deses:

The dose should be increased in a stepwise tashion to 2 mg, 5 mg or 10 mg once daily to achieve the desired improvement of symptoms and/or flow rates. Doses of 10 mg once daily are generally required for the clinical response. Therefore, treatment with 10 mg for a minimum of 4-6 weeks may be required to assess whether a beneficial response has been achieved. Some patients may not achieve a clinical response despite appropriate titration. Although some additional patients responded at a 20 mg daily dose, there was an insufficient number of patients studied to draw definitive conclusions about this dose. There are insufficient data to support the use of higher doses for those patients who show inadequate or no response to 20 mg daily.

Caution should be observed when Terazosin hydrochloride tablets are administered concomitantly with other antihypertensive agents, especially the calcium channel blocker verapamil, to avoid the possibility of developing significant hypotension. When using Terazosin hydrochloride tablets and other antihypertensive agents concomitantly, dosage reduction and retitration of either agent may be necessary (see Precautions).

The dose of terazosin and the dose interval (12 or 24 hours) should be adjusted according to the patient's individual blood pressure response. The following is a guide to its administration:

I mg at bedtime is the starting dose for all patients, and this dose should not be exceeded. This initial dosing regimen should be strictly observed to minimize the potential for severe hypotensive effects.

#### Sybsequent Doses:

Subsequent Doses:

The dose may be slowly increased to achieve the desired blood pressure response. The usual recommended dose range is 1 mg to 5 mg administered once a day; however, some patients may benefit from doses as high as 20 mg per day. Doses over 20 mg do not appear to provide further blood pressure effect and doses over 40 mg have not been studied. Blood pressure should be monitored at the end of the Josing interval to be sure control is maintained throughout the interval. It may also be helpful on measure blood pressure 2 to 3 hours after dosing to see if the maximum and minimum responses are similar, and to evaluate symptoms such as dizziness or palpitations which can result from excessive hypotensive response. If response is substituted into the considered, it treavasile administrations is discentiated for several days or jumger, therapy should be reinstituted using the lattial desing regimes. In clinical trials, except for the initial dose, the dose was given in the morning.

#### Use with Other Prags: (See above).

Each white, unscored, round terazosin hydrochloride tablets, equivalent to 1 mg terazosin, is engraved INV over 324 on one side.

NDC# 52189-324-24 in bottles of 100 tablets

NDC# 52189-324-29 in bottles of 500 tablets

NDC# 52189-324-30 in bottles of 1000 tablets

Each beige, unscored, round terazosin hydrochloride tablets, equivalent to 2 mg terazosin, is engraved INV over 325 on one side.

NDC# 52189-325-24 in bottles of 100 tablets NDC# 52189-325-29 in bottles of 500 tablets

NDC# 52189-325-30 in bottles of 1000 tablets

Each pink, unscored, round terazosin hydrochloride tablets, equivalent to 5 mg terazosin, is engraved INV over 326 on one side.

NDC# 52189-326-24 in bottles of 100 tablets

NDC# 52189-326-29 in bottles of 500 tablets

NDC# 52189-326-30 in bottles of 1000 tablets

Each yellow, unscored, round terazosin hydrochloride tablets, equivalent to 10 mg terazosin, is engraved INV over 327 on one side.

NDC# 52189-327-24 in bottles of 100 tablets

NDC# 52189-327-29 in bottles of 500 tablets NDC# 52189-327-30 in bottles of 1000 tablets

Store at controlled room temperature 15"-30°C (59"-86"F). Dispense in a tight, light-resistant container as defined in the USP.

CAUTION: Federal Law prohibits dispensing without prescription.

1. Lepor H. Role of alpha-adrenergic blockers in the treatment of benign prostatic hypertrophy. Prostate 1990; 3:75-84

Manufactured by: INVAMED INC. Dayton, NJ 08810, USA

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

**EACH TABLET CONTAINS:** 

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F). Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





CAUTION: Federal law prohibits dispensing without prescription.

**100 TABLETS** 

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



J

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

**USUAL DOSAGE:** See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





**USUAL DOSAGE:** See accompanying prescribing information. Store at controlled room temperature 15° to 30°C (59° to 86°F). ‡

Dispense in a tight, light-resistant container as defined in the USP. Keep this and all drugs out of of children.

EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent

erazosin Hydroci mg of Terazosin.

CAUTION: Federal law prohibits dispensing without prescription. **500 TABLETS** 

NJ 08810 USA Manufactured By: INVAMED INC., Dayton,

Exp. Date

NDC 52189-324-29 'invamed'...c.

# Terazosin Hydrochloride

mg\*

**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

### \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





NDC 52189-324-29

**CAUTION: Federal law prohibits** dispensing without prescription.

**500 TABLETS** 

#### \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 742



MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



# Hydrochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

### \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: **INVAMED INC., Dayton, NJ 08810 USA** 



No.: Date

NDC 52189-324-30 **invamed**inc.

# Hydrochloride

ma

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

### \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



NDC 52189-324-30

# drochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 1 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



No.: Date: Z c E c

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MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





CAUTION: Federal law prohibits dispensing without prescription.

**100 TABLETS** 

EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children. Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperat 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



No.: Date:

## NDC 52189-325-24 Invamed... Terazosin Hydrochloride **Tablets** 2 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

**\*EACH TABLET CONTAINS:** Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA





NDC 52189-325-24 invamed inc. Terazosin Hydrochloride **Tablets** 2 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

**EACH TABLET CONTAINS:** 

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information. Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



000127 Lot No.: Exp. Date; MF # 744

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TERAZOSIN HYDROCHLORIDE TABLETS, 1 mg, 2 mg, 5 mg and 10 mg ANDA # 74-657 MAJOR AMENDMENT (RESPONSE TO FDA LETTER DATED 11/22/95)



**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

#### **\*EACH TABLET CONTAINS:**

Terazosin Hydrochloride equivalent to

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 745



light-resistant e USP. reach See accompanying EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent 2 mg of Terazosin. ţ,

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Store at controlled room temperature 15° to 30°C (59° to 86°F). Keep this and all drugs out of to children. Dispense in a tight, I container as defined in the USUAL DOSAGE: Seprescribing information.

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA

SPL# #M Exp. Date: : ON 107

> NDC 52189-325-29 invamed.nc.

# Terazosin **Hydrochloride**

2 mg\*

**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

\*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Exp. Date: MF # 745 Lot No.:



NDC 52189-325-29 Invamed inc.

# Hydrochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

\*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).



Lat No.: Exp. Date: MF # 746

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA

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MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## **\*EACH TABLET CONTAINS:**

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: **INVAMED INC., Dayton, NJ 08810 USA** 



NDC 52189-325-30 nvamed...c.

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

#### \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



NDC 52189-325-30 INVamed<sub>inc.</sub>

# Terazosin Hydrochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## **\*EACH TABLET CONTAINS:**

Terazosin Hydrochloride equivalent to 2 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: **INVAMED INC., Dayton, NJ 08810 USA** 



MARgo

TERAZOSIN HYDROCHLORIDE TABLETS, 1 mg, 2 mg, 5 mg and 10 mg ANDA # 74-657

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



100 TABLETS

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information. Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 747



\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information. Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 747

NDC 52189-326-24 Invamed..... **Terazosin** Hydrochloride **Tablets** 5 mg\* **CAUTION:** Federal law prohibits dispensing without prescription.

**100 TABLETS** 

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children. Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



No.: Date: Lot No.: Exp. Date MF # 747

NDC 52189-326-24 invamed inc Terazosin Hydrochloride **Tablets** 5 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 5 mg of Terazosin. USUAL DOSAGE: See accompanying prescribing information. Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



**500 TABLETS** 

\*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date:

EXP. Date: Lot No.:

22189-326-29

light-resistant e USP. Store at controlled room temperature 15° to 30°C (59° to 86°F). accompanying 휷 ō ă See drugs

EEACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 5 mg of Terazosin. Dispense in a tight, li container as defined in the l USUAL DOSAGE: Se prescribing information. this and all children.

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Manufactured By: INVAMED INC., Dayton, NJ 08810 USA

NDC 52189-326-29 I**nvamed**.... **Terazosin** 

Hydrochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

**USUAL DOSAGE:** See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date MF # 748

law prohibits dispensing without prescription. 500 TABLETS

NDC 52189-326-29 5 mg\*

**CAUTION:** Federal law prohibits dispensing without prescription.

**500 TABLETS** 

**EACH TABLET CONTAINS:** 

of children.

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date:

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



No.: Date z S S S



**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



No.: . Date:

NDC 52189-326-30 Hydrochloride

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 5 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



t No.: Date:

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETS

EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



NDC 52189-327-24 invamed.... **Terazosin** Hydrochloride **Tablets** 10 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

**100 TABLETS** 

EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 750



CAUTION: Federal law prohibits dispensing without prescription.

**100 TABLETS** 

\*EACH TABLET CONTAINS: Jerazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children. Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 750

NDC 52189-327-24 invamed....

Terazosin Hydrochloride **Tablets** 10 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

**100 TABLETS** 

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP. Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF # 750 000157

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MARgo

TERAZOSIN HYDROCHLORIDE TABLETS, 1 mg, 2 mg, 5 mg and 10 mg

ANDA # 74-657

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



CAUTION: Federal law prohibits dispensing without prescription.

**500 TABLETS** 

\*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



22189-327-29

EEACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information. Store at controlled room temperature 15° to 30°C (59° to 86°F). Keep this and all drugs out of of children. Dispense in a tight, li container as defined in the I

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA

192 # JW

Exp. Date: Lot No.:

> NDC 52189-327-29 10 ma

CAUTION: Federal law prohibits dispensing without prescription.

**500 TABLETS** 

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



gg Lot No.: Exp. Date

nvamed **500 TABLETS** 

NDC 52189-327-29 invamed.nc. 10 ma CAUTION: Federal law prohibits dispensing without prescription.

**500 TABLETS** 

\*EACH TABLET CONTAINS: Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

USUAL DOSAGE: See accompanying prescribing information.

Keep this and all drugs out of the reach of children. Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date: MF a 751

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MARgo

TERAZOSIN HYDROCHLORIDE TABLETS, 1 mg, 2 mg, 5 mg and 10 mg
ANDA # 74-657

MAJOR AMENDMENT

(RESPONSE TO FDA LETTER DATED 11/22/95)



Terazosin Hydrochloride Tablets

10 mg\*

**CAUTION:** Federal law prohibits dispensing without prescription.

**1000 TABLETS** 

## **\*EACH TABLET CONTAINS:**

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

**USUAL DOSAGE:** See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date:



## Terazosin Hydrochloride Tablets

10 mg\*

CAUTION: Federal law prohibits dispensing without prescription.

1000 TABLETS

## **\*EACH TABLET CONTAINS:**

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

**USUAL DOSAGE:** See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date:

NDC 52189-327-30 Invamed<sub>inc.</sub>

## Terazosin Hydrochloride Tablets

10 mg\*

**CAUTION:** Federal law prohibits dispensing without prescription.

1000 TABLETS

## \*EACH TABLET CONTAINS:

Terazosin Hydrochloride equivalent to 10 mg of Terazosin.

**USUAL DOSAGE:** See accompanying prescribing information.

Keep this and all drugs out of the reach of children.

Dispense in a tight, light-resistant container as defined in the USP.

Store at controlled room temperature 15° to 30°C (59° to 86°F).

Manufactured By: INVAMED INC., Dayton, NJ 08810 USA



Lot No.: Exp. Date:

# PATIENT INFORMATION ABOUT TERAZOSIN HYDROCHLORIDE TABLETS

## When used to treat HYPERTENSION or BENIGN PROSTATIC HYPERPLASIA (BPH)

Plesse read this leastet before you start taking Terazosin Hydrochloride tablets. Also read it each time you get a new prescription. This is a summary and should NOT take the place of a full discussion with your doctor who has additional information about Terazosin Hydrochloride tablets. You and your doctor should discuss Terazosin Hydrochloride tablets and your condition before you start taking it and at your regular discussions.

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Terazosin Hydrochloride tablets are used to the blood pressure (hypertension). Terazosin Hydrochloride tablets are also used to treat benign prostatic hyperplasia (BPH) in men. This leaflet describes Terazosin Hydrochloride tablets as a treatment for hypertension or BPH.

What is hypertension (high blood pressure)?

Blood pressure is the tension of the blood within the blood vessels. If blood is pumped too forcefully, or if the blood vessels are too narrow, the pressure of the blood against the walls of the vessels rises.

If high blood pressure is not treated, over time, the increased pressure can damage blood vessels or it can cause the heart to work too hard and may decrease the flow of blood to the heart, brain, and kidneys. As a result, these organs may become damaged and not function correctly. If high blood pressure is controlled, the damage is less likely to happen.

Treatment options for hypertension

Non-drug treatments are sometimes effective in controlling mild hypertension. The most important lifestyle changes to lower blood pressure are to lose weight, reduce salt, fat, and alcohol in the diet, quit smoking, and exercise regularly. However, many hypertensive patients require one or more ongoing medications to control their blood pressure. There are different kinds of medications used to treat hypertension. Your doctor has prescribed Terazosin Hydrochloride tablets for you.

What Terazosin Hydrochloride Tablet does to treat hypertension Terazosin works by relaxing blood vessels so that blood passes through them more easily. This helps to lower blood pressure.

#### What is BPH?

The prostate is a gland located below the bladder of men. It surrounds the urethra (you-REETH-rah), which is a tube that drains urine from the bladder. BPH is an enlargement of the prostate gland. The symptoms of BPH, however, can be caused by an increase in the tightness of muscles in the prostate. If the muscles inside the prostate tighten, they can squeeze the urethra and slow the flow of urine. This can lead to symptoms such as:

- · a weak or interrupted stream when urinating
- · a feeling that you cannot empty your bladder completely
- · a feeling of delay when you start to urinate
- · a need to urinate often, especially at night, or
- a feeling that you must urinate right away

#### Treatment options for BPH

There are three main treatment options for BPH:

- Program of monitoring or "Watchful Waiting". Some men have an enlarged prostate gland, but no symptoms, or symptoms that are not bothersome. If this applies, you and your doctor may decide on a program of monitoring including regular checkups, instead of medication or surgery.
- Medication. There are different kinds of medication used to treat BPH. Your doctor has prescribed Terazosin Hydrochloride tablets for you. See "What Terazosin Hydrochloride tablet does to treat BPH" below.
- Surgery. Some patients may need surgery. Your doctor can describe several different surgical procedures to treat BPH. Which procedure is best depends on your symptoms and medical condition.

#### What Terazosin Hydrochloride tablet does to treat BPH

Terazosin Hydrochloride tablet relaxes the tightness of a certain type of muscle in the prostate and at the opening of the bladder. This may increase the rate of urine flow and/or decrease the symptoms you are having.

- Terazosin Hydrochloride tablet helps relieve the symptoms of BPH. It does NOT change the size of the prostate, which may continue to grow. However, a larger prostate does not necessarily cause more or worse symptoms.
- If Terazosin Hydrochloride tablets are helping you, you should notice an
  effect on your particular symptoms in 2 to 4 weeks of starting to take the
  medication.

 Even though you take Terazosin Hydrochloride tablets and it may help you, Terazosin Hydrochloride tablets may not prevent the need for surgery in the future.

## Other important facts about Terazosin Hydrochloride tablets for BPH

- You should see an effect on your symptoms in 2 to 4 weeks. So, you
  will need to continue seeing your doctor to check your progress regarding
  your BPH and to monitor your blood pressure in addition to your other
  regular checkups.
- Your doctor has prescribed Terazosin Hydrochloride tablets for your BPH and not for prostate cancer. However, a man can have BPH and prostate cancer at the same time. Doctors usually recommend that men be checked for prostate cancer once a year when they turn 50 (or 40 if a family member has had prostate cancer). These checks should continue even if you are taking Terazosin Hydrochloride tablets. Terazosin Hydrochloride tablets are not a treatment for prostate cancer.
- About Prostate Specific Antigen (PSA). Your doctor may have done a blood test called PSA. Your doctor is aware that Terazosin does not affect PSA levels. You may want to ask your doctor more about this if you have had a PSA test done.

### What you should know while taking Terazosin Hydrochloride tablets for hypertension or BPH WARNINGS

Terazosin Can Cause A Sudden Drop in Blood Pressure After the VERY FIRST DOSE. You may feel dizzy, faint, or "light-headed" particularly after you get up from bed or from a chair. This is more likely to occur after you've taken the first few doses, but can occur at any time while you are taking the drug. It can also occur if you stop taking the drug and then re-start treatment.

Because of this effect, your doctor may have told you to take Terazosin Hydrochloride tablets at bedtime. If you take Terazosin Hydrochloride tablets at bedtime but need to get up from bed to go to the bathroom, get up slowly and cautiously until you are sure how the medicine affects you. It is also important to get up slowly from a chair or bed at any time until you learn

how you react to Terazosin Hydrochloride tablets. You should not drive or do any hazardous tasks until you are used to the effects of the medication. If you begin to feel dizzy, sit or lie down until you feel better.

- You will start with a 1 mg dose of Terazosin Hydrochloride tablets. Then
  the dose will be increased as your body gets used to the effect of the
  medication.
- Other side effects you could have while taking Terazosin Hydrochloride tablets include drowsiness, blurred or hazy vision, nausea, or "puffiness" of the feet or hands. Discuss any unexpected effects you notice with your doctor

Extremely rarely, terazosin and similar medications have caused painful erection of the penis, sustained for hours and unrelieved by sexual intercourse or masturbation. This condition is serious, and if untreated it can be followed by permanent inability to have an erection. If you have a prolonged abnormal erection, call your doctor or go to an emergency room as soon as possible.

#### How to take Terazosin Hydrochloride tablets

Follow your doctor's instructions about how to take Terazosin Hydrochloride tablets. You must take it every day at the dose prescribed. Talk with your doctor if you don't take it for a few days, you may have to restart it at a 1 mg dose and be cautious about possible dizziness. Do not share Terazosin Hydrochloride tablets with anyone else; it was prescribed only for you. Keep Terazosin Hydrochloride tablets and all medicines out of the reach of children.

Store at controlled room temperature 15°-30°C (59°- 86°F).

FOR MORE INFORMATION ABOUT TERAZOSIN HYDRO-CHLORIDE TABLETS AND HYPERTENSION OR BPH, TALK WITH YOUR DOCTOR, NURSE, PHARMACIST OR OTHER HEALTH CARE PROVIDER.

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